

IN THE CLAIMS

1. (Currently Amended) A rotary nozzle brick body ~~having a single nozzle hole,~~ comprising:

first circular portions having a radius of $C + (D/2) + A$ formed on both sides of a center X of the brick body;

second circular portions having a radius of $C + (D/2) + B$ formed around the center X of the brick body ~~Y of a nozzle hole located on a substantial center line between the two first circular portions and being formed~~ perpendicularly to the direction of the first circular portions, in a range of $\Theta = 40 \pm 10^\circ$ in terms of the central angle of the brick; and

third circular portions having a radius of $(D/2) + B$ and being formed around an intersections Z obtained by connecting a circular line drawn with a radius C around the center X of the brick body with lines drawn from the center X to both end points of the second circular portions,

where, when a fixed brick body with single nozzle hole and the slide brick body with at least a single nozzle hole having the same form with the fixed brick body and face contacting the same to slide-rotate are collectively referred to as the rotary nozzle brick body,
A is a safety margin at the time of a 90° full-closed state of the nozzle hole in the slide brick body, B is a safety margin at the time of a full-opened state of the nozzle hole in the brick body, C is a distance between the center X of the brick body and the center Y of the nozzle hole, D is the diameter of the nozzle hole in the brick body, and $C > 4D/\pi$ and $B > A$,
wherein a planar shape is made a substantially elliptical shape by connecting the first circular portions and the third circular portions with tangent lines the second circular portion

~~and the third circular portion are connected smoothly;~~

~~the first circular portions and the third circular portions are connected with tangent lines in terms of the plan view contour and~~

~~the plan view contour is substantially symmetrical with respect to the center X, where B>A.~~

2. (Canceled)

3. (Previously Presented) The rotary nozzle brick body according to claim 1, wherein A is set to 30 ± 15 mm and B is set to 60 ± 15 mm.

4. (Canceled)

5. (New) A brick body for a rotary nozzle of a fixed one of the brick body and a sliding one of the brick body, where the fixed one of the brick body has a single nozzle hole and the sliding one of the brick body has at least a single nozzle hole, the fixed and sliding ones of the brick body having the same form and face contacting each other to slide-rotate relative to each other, A being a safety margin at a 90° full-closed state of the nozzle holes, B being a safety margin at a full-opened state of the nozzle holes, C being a distance between a center X of each of the fixed one and the sliding one of the brick body and a center Y of the nozzle hole thereof, and D being a diameter of the nozzle holes, where $C > 4D/\pi$ and $B > A$, sides of the brick body comprising:

first circular portions respectively on opposite sides of a center X of the brick body to define a first direction, each of the first circular portions having a radius of $C + (D/2) + A$ from the center X between opposite ends;

second circular portions respectively on opposite sides of the center X to define a second direction perpendicular to the first direction, each of the second circular portions having a radius of $C + (D/2) + B$ from the center X over an angle $\Theta = 40^\circ \pm 10^\circ$ therefrom between opposite ends; and

third circular portions respectively between the opposite ends of the first and second circular portions, each of the third circular portions having a radius between opposite ends of $(D/2) + B$ respectively from intersections Z of a circular line with a radius C around the center X and a line to the opposite ends of the second circular portions,

wherein successive ones of the opposite ends of the first circular portions and the third circular portions are connected along tangent lines for giving a substantially elliptical shape to the sides of the brick body.